

DUNE Silver plated bolts, preparation 1: Test 3/25/2016 – 3/28/2016

preparation 2: Test 3/30/2016 – 4/4/2016

<b><i>PAB Materials Test System</i></b>	
<b>Date of Receipt</b>	4/4/16 , logbook entry # 5202
<b>Sample Name/Description</b>	Ag-plated bolts, preparation 1
	DUNE
<b>Sample</b>	PSL 001
<b>Composition:</b>	Ag plated stainless steel bolts
<b>Picture Location:</b>	data base
<b>Weight:</b>	78.0 g (6 bolts)
<b>Dimensions/Area:</b>	diam. 18 mm (head), 9 mm (bottom), 19 mm length
<b>Source:</b>	Jonathan Heise, University of Wisconsin-Madison
<b>Preparation:</b>	dry clean
<b>Submerging in LAr or LH2</b>	x
<b>Time in the airlock(hrs)</b>	
<b>Vacuum:</b>	
<b>Purge</b>	47 hours with gas Argon from Luke
<b>Liquid Test</b>	
<b>Start Time/Date, End Time/Date :</b>	3/25/2016 10.31 am, 3/28/2016 11 am
<b>PrM run # :</b>	27214
<b>Condenser state:</b>	on
<b>Filter state/settings:</b>	off
<b>H2O reading:</b>	5 ppb
<b>Temperature:</b>	95 K
<b>Liquid Level</b>	19.7"
<b>Lifetime:</b>	4.5 - 7 ms

<b><i>PAB Materials Test System</i></b>	
<b>Date of Receipt</b>	4/4/16 , logbook entry # 5207
<b>Sample Name/Description</b>	Ag-plated bolts, preparation 2
	DUNE
<b>Sample</b>	PSL 002
<b>Composition:</b>	Ag plated stainless steel bolts
<b>Picture Location:</b>	data base
<b>Weight:</b>	78.1 g (6 bolts)
<b>Dimensions/Area:</b>	diam. 18 mm (head), 9 mm (bottom), 19 mm length
<b>Source:</b>	Jonathan Heise, University of Winsconsin-Madison
<b>Preparation:</b>	dry clean
<b>Submerging in LAr or LH2</b>	x
<b>Time in the airlock(hrs)</b>	
<b>Vacuum:</b>	
<b>Purge</b>	48 hours with gas Argon from Luke
<b>Liquid Test</b>	
<b>Start Time/Date, End Time/Date :</b>	3/30/2016 2:47 pm, 4/4/2016 9:50 am
<b>PrM run # :</b>	27280
<b>Condenser state:</b>	on
<b>Filter state/settings:</b>	off
<b>H2O reading:</b>	4 - 5.8 ppb
<b>Temperature:</b>	95 K
<b>Liquid Level</b>	17.7"
<b>Lifetime:</b>	5 - 7 ms

## Pictures PSL\_001 Ag-plated Bolts Prep 1

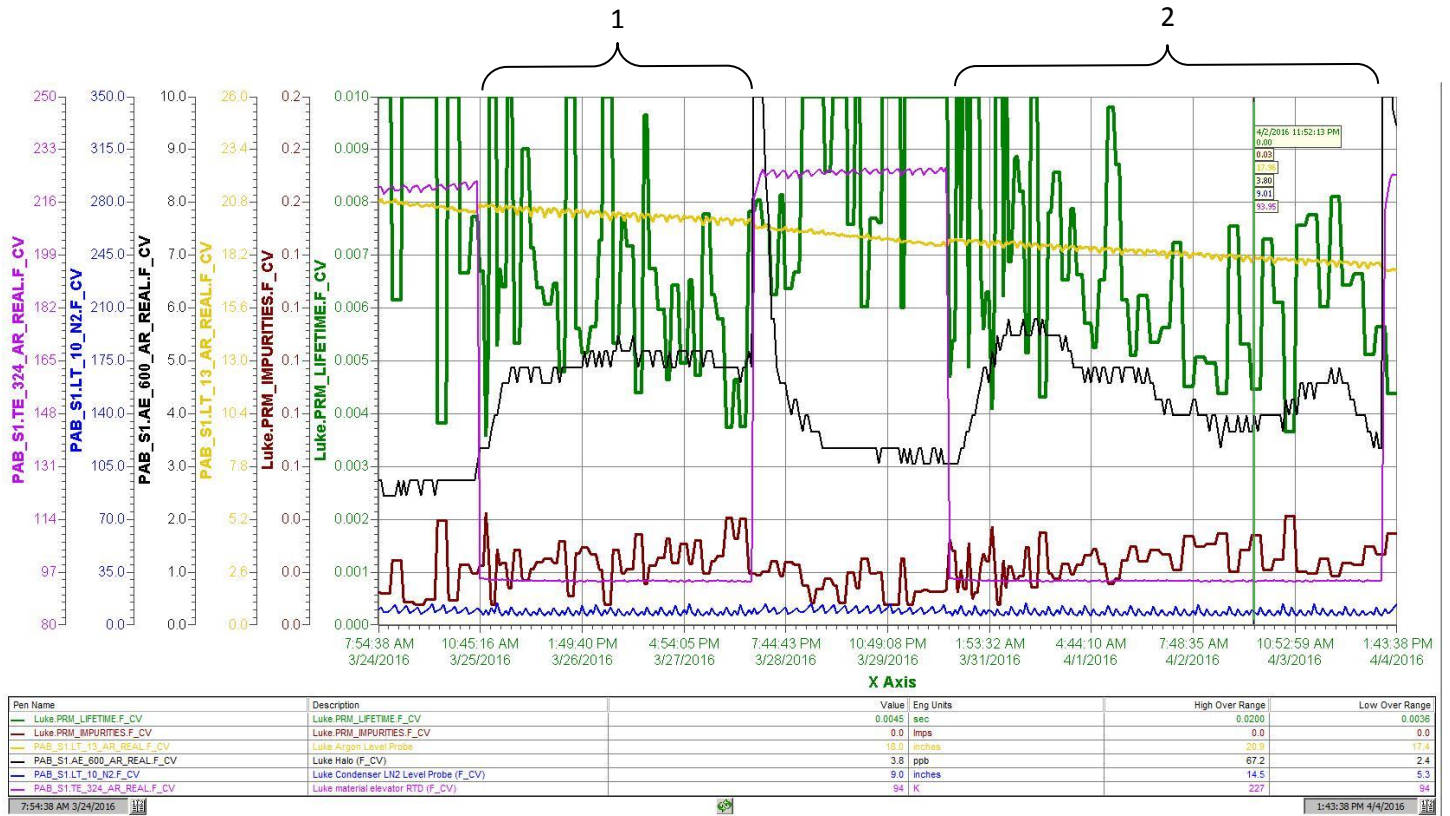




Pictures PSL\_002 Ag-plated Bolts Prep 2



1. Liquid test **PSL\_001 Ag-plated Bolts Prep 1**
2. Liquid test **PSL\_002 Ag-plated Bolts Prep 2**



Lifetime – green pen

Impurities – brown pen

Liquid level – yellow pen

Water – black pen

Temperature – magenta pen